



Project: Alaska Copper Works

Inspection Date: 5/23/19

Project No.: 19ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☒ Yes ☐ No

Flow Rates (gpm)	Influent	<u>n/a</u>	Effluent	<u>155</u>	The flows should be ~155 gpm
Bag Filter #1 Pressures (psi)	Influent	<u>10</u>	Effluent	<u>10</u>	The bag filters should be replaced if differential pressure > 8 psi
Bag Filter #2 Pressures (psi)	Influent	<u>10</u>	Effluent	<u>9</u>	
Carbon Filter Pressures (Lead)	Influent	<u>8</u>	Effluent	<u>5</u>	The carbon filters should be backflushed if differential pressure > 8 psi
Carbon Filter Pressures (Lag)	Influent	<u>4</u>	Effluent	<u>0</u>	

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

Raw water:	pH	<u>7.05</u>	Turbidity	<u>11.7</u>	NTU
Bag Filter Influent	pH	<u>8.75</u>	Turbidity	<u>2.84</u>	NTU
Bag Filter Effluent	pH	<u>8.38</u>	Turbidity	<u>2.71</u>	NTU
Carbon Filter Influent	pH	<u>6.72</u>	Turbidity	<u>2.63</u>	NTU
Carbon Filter Effluent	pH	<u>6.37</u>	Turbidity	<u>2.38</u>	NTU

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☐ Yes ☒ No

Sludge Depth (inches):

Decant Tank:	<u>n/a</u>
Treatment tank:	<u>n/a</u>
Backflush tank:	<u>n/a</u>
Main lift station:	<u>n/a</u>
North lift station:	<u>n/a</u>
South lift station:	<u>n/a</u>

Additional Comments, Recommendations and System Upsets:

Vault empty no system influent flow reported

David DuBois

Technician

Project Lead Tech

Title

5/23/19

Date

Submit